



Outline



Coder is a user-friendly, powerful MPEG-2 Encoder. It supports every standard video and audio signal, including analogue S-VIDEO, analogue composite video, and mono/analogue stereo signal etc. The format of the output of compressed data is ASI/SPI. By compressing input as MPEG-2 MP@ML format, coder real-time encodes and multiplexes audio signal according to MPEG-2 format, and then, generating DVB transport stream. It completely complies MPEG-2 standard, and it has high compatibility. Its dimension is 1U standard case, by watching the LCD display on the front panel, user can finish the setting of auto-running of this machine.

Features

- Support 4: 2: 0 coding
- Hi-Fi audio processing R/L channel, stereo input.
- Output code rate continuously variable, flexible in use.
- Abundant input/output interface, realizing free connection.
- SDT information insertion
- Local/Remote net administration possible.
- LCD display, flexible in operation.
- High reliability design, stable in running.

Specification

Input interface	Video signal	Level 1.0Vp-p
	S-Video	Level 0.28Vp-p
	Audio signal	Level 2Vp-p
Output interface	ASI	DVB Standard
	SPI	
Output code Rate		1~15Mbps Continual Variable
Video Coding		Complying International Standard ISO11172(MPEG-1) and ISO13818 (MPEG-2)
		MPEG-2 coding as 4? 2? 0MP@ML
		Output code rate 1.0~15Mbps continuously variable
		MPEG-2 automatically fit frame (AFF)
		MPEG-2 frame base (FB)
Audio Coding	Sampling rate	32KHz?44.1KHz?48KHz
	Code rate	64?128?192?256?384Kbps
	specification	MPEG-1 2 nd layer, CD audio quality
Resolution	Standard	Complying CCIR601Standard Support 1/2D1? 2/3D1? 3/4D1? FullID1
	PAL	720×576? 704×576? 640×576? 544×576? 480×576? 384×576? 352×576
	NTSC	720×480? 704×480? 640×480? 544×480? 480×480? 384×480? 352×480
Miscellaneous	Dimension	44mm×482mm×360mm
	Temperature	0 ~ 45? (Operating); -20 ~ 80?(Storage)
	Power	220VAC±10%,50Hz,25W



Outline

QAM Modulator, is the main equipment CATV digital head-end, receiving DVB transport streams which come from coder, multiplexer, DVB gateway, scrambler, video server etc. It does signal processing like RS coding, convolution interleaving and QAM modulating, providing IF/RF output

Feature

- Complying DVB standard signal channel coding.
- Support full range variable data rate, bandwidth and QAM mode
Data stuffing
- PID filter, reflection, PSI/SI information synchronous updating possible.
- Automatically code stream stuffing and empty packet deleting.
- Code stream real-time monitoring, empty packet filtering
- Support NIT table modifying
- PCR adjusting, output symbol rate variable: 1 - 7Ms/s?
- Fixed or agile channel output;
- Providing ASI and DS3 code stream interface.
- Providing RF output monitoring port? -20dB??
- Local or Remote administration possible.
- LCD display, flexible in operating
- High reliability design, stable in running

Specification

Modulating mode		16、32、64、128、256 QAM
Symbol rate		3~7Mbaud/s
Correction coding		RS Coding188/204
Input data rate		1.5~51Mbps
Channel data rate		20~56Mbps
Input interface	ASI	DVB standard
	SPI	
Output	IF Frequency	35.25/36.15/36.65/70MHz(Optional)
	RF Frequency	47~870MHz
	Output Level	100dB μ V
	Impedance	75 Ω
Miscellaneous	Dimension	44mm×482mm×360mm
	Temperature	0 ~ 45°C (Operating) -20 ~ 80°C (Storage)
	Power	220VAC \pm 10%, 50Hz, 25W



Outline

Multiplexer is a digital broadcasting TV system TS stream re-multiplexer. Multiplexer combines several single-programs or multiple-programs, which are compressed, coded, and multiplexed according to customer request by head-end, into single transport stream. Besides, it is also able to interpolate EPG (Electronic Program Guide), CA (Conditional Access) and digital broadcasting etc. Maximally, it can synchronal multiplex 8 route input code streams, and support ASI interface. The code rate of input code stream is maximally up to 270Mbps, while code rate of output code stream is maximally up to 108Mbps. Through auxiliary data input channel, it can real-time interpolate the data, created by outer SI (Service Information) server, into output code stream, in order to realize the EPG and digital broadcasting etc. Value-added business. Its dimension is standard 1U case. By watching the LCD display on the front panel, user can finish the setting of auto-running of this device

Features

- Complying ISO13818 standard.
- Support MPEG-2 transport stream re-multiplexing.
- Multiplexing SPTS and MPTS code stream.
- SDT table reflection
- Able to connect independent scrambler for scrambling to specified program or service.
- Generating SPI/SI information
- Support PCR adjusting and PID re-reflection
- Able to extract PSI/SI information from any route of SPTS/MTPS inputs
- Able to interpolate data, and re-multiplex and transport any kind of data
- Support statistic multiplex
- Support the cascading connection of several equipments.
- Central net administration, remote updating and maintenance
- LCD display, flexible and user-friendly in operation
- High reliability design, stable in running
- Alarm display
- Support network upgrade

Specification

Input Interface	ASI	8 Routes (maximum 270Mbps/route)
Re-multiplexing		Re-multiplexing MPEG-2 stream
		PID re-reflection
		PCR reset
		Automatically generating PSI/SI table
Output Interface	ASI	2 channel
	Ethernet port	10Base-T Ethernet port
Miscellaneous	Dimension	40mm×484mm×410mm
	Temperature	0~45? (Operating) ; -20~80? (Storage)
	Power	220VAC±10%? 50Hz? 25W